

# MEOS Maritime Surveillance System

The MEOS Maritime Surveillance System was designed for day and night shipborne surveillance of the seas and inland waterways. The standard equipment consists of a pan and tilt head and a thermal imaging device.

MEOS improves vision in darkness and fog, in haze and smoke - even at longer distances. A video tracking system can also be integrated. It is also possible to connect MEOS to an existing radar system.

MEOS can be installed onto deck structures at any time. The BSAE control console, observation monitors, video recorder and power supply are located on the ships' bridge.

The surveillance system consists of reliable, tested standard system components (industry standard).



## Technical data

### OPHELIOS thermal imaging device

Detector	CMT IRCCD 96 x 4
Number of lines/ pixels per line	576/768
Wide field of view	9° x 12°
Narrow field of view	2,7° x 3,5°
Focusing range	5 m to ∞ (large field of view) 85 m to ∞ (small field of view)
Spectral range	7.5 µm to 10.5 mm
Video output	CCIR

### Pan and tilt head

Positioning range azimuth	n x 360°
Positioning range elevation	≥ ±35°
Positioning speed azimuth	≥ 40°/s (controllable via Joystick)
Positioning speed elevation	≥ 20°/s (controllable via Joystick)
Wish-wash unit	Yes
Operating temperature	-25 °C to +45 °C
Storage temperature	-25 °C to +70 °C

<b>Operating and video equipment</b>	Control console (BSAE) for thermal imaging device and pan and tilt head Monitors Video recording (analog or digital)
<b>Option</b>	CCD camera

Subject to changes in design and further technical development.

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